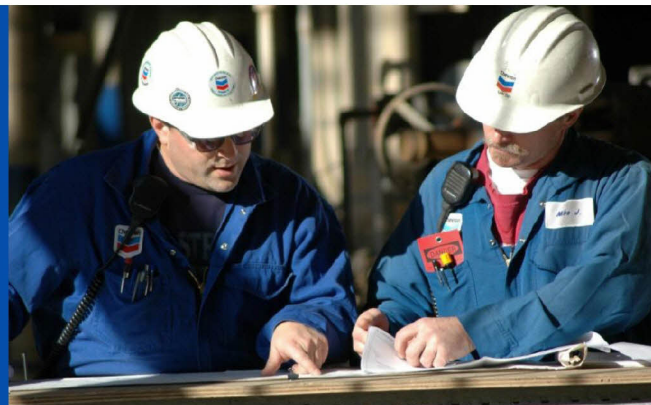




Richmond Refinery | Incident and Injury Free | Enroll & Engage

3Q Proactive Event: Hazard Identification and Risk Assessment



Week 2: Definitions

w/o July 26, 2010

Week 2. Deliverables



- Today: Provide Definitions for the team, so we are all speaking the same language.
- At the end of the 3rd Quarter:
 - 1) Increase individual and group competency in Hazard Identification and Risk Assessment,
 - 2) Reinforce the need for teamwork (or relationships) to develop dialogue (or communication skills) around risk assessment,
 - 3) Understand how we control our environment through our behaviors. Introduce accountability into the equation. Are you doing what you say you're going to do?

Definitions



Word	Definition
Risk	The likelihood or probability that a consequence will occur.
Hazard	A chemical, biological or physical condition that has the potential for causing harm to people, property or the environment.
Probability (or Likelihood)	A quantity of time expressing the likelihood of occurrence that a given event will take place. Expressed as Likely, Occasionally, Seldom, Unlikely, Remote or Rare.
Values	Personal standards or principles regarded as desirable or worthwhile and are not negotiable.
Consequence (+, -)	Reflect the positive or negative outcome/impact based on the nature or type of hazard and the environment around the hazard. Consequences are categorized as Safety, Health, and Environmental

Definitions (cont.)




Word	Definition
Safeguards—reduce the likelihood that negative consequence will result from a hazard	Hazard controls [i.e. LPSA, JSA, JJSV, Stop Work Authority, Procedures, Operating Standards, MOC, HSE, PSSR, Refinery Instructions, Safe Work Practices, etc.]
Personal Accountability	Behaviors and decisions which I am responsible for.
Personal Decisions	Independently made actions that impact my work activities.
Agreement	Two or more people deciding on a single course of action related to an activity's hazards.
Operational Discipline	Every Task, the right way, every time. Ensuring that the hazards have been mitigated for each task. Your collective approach.
LPSA	Loss Prevention Self Assessment – Assess, Analyze, Act

Definitions (cont.)



Word	Definition
Stop Work Authority	Expectation of executing your right and responsibility to ensure Tenets, Safe Work Practices, Procedures, Refinery Instructions ,etc. are <u>always</u> executed correctly.



Stop / Pause Work Authority


It is your responsibility AND you have stop work authority. We always comply with the Refining Tenets that are based on the two principles

- Do it safely or not at all
- There's always time to do it right

As an employee or contractor for Chevron, you are responsible and authorized to **STOP** any work that does not comply with our Tenets. Your actions to support the Tenets are fully supported by the Chevron Richmond Refinery Management Team.

- All issues will be addressed promptly
- All levels of refinery management support you

That is our commitment to you.



Mike Coyle, Refinery General Manager

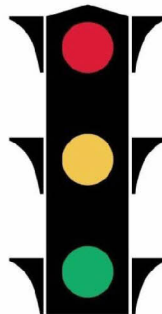
5 Steps of Stop Work Authority

- Step 1** • Stop the Unsafe Activity
- Step 2** • Notify the person in charge (Supervisor; HO, Head filech) so the issue can be addressed.
- Step 3** • Involve the right people, discuss the concerns and correct the issue as necessary.
- Step 4** • Resume work
- Step 5** • Share what you learned with other potentially impacted employees and/or contractors.

How do you rate the Risk you discover in your daily LPSAs? (**Assess**)

LOSS PREVENTION SELF ASSESSMENT

BEFORE BEGINNING ANY ACTIVITY/TASK/JOB, AFTER A LOSS OR NEAR LOSS, ANY UNUSUAL CIRCUMSTANCES:



ASSESS the risk!

What could go wrong?

What is the worst thing that could happen if something does go wrong?

ANALYZE how to reduce the risk!

Do I have all the necessary Training and Knowledge to do this job properly?

Do I have all the proper Tools and Personal Protective Equipment?

ACT to ensure loss-free operations!

Take necessary Action to ensure the job is done properly!

Follow written procedures! Ask for assistance if needed!

DO NOT PROCEED UNLESS ALL RISKS HAVE BEEN ADDRESSED!

For Everyone • Every Day • All the Time



Take 5 to Recognize

Proactive Engagement takes courage.



Take 5 to Recognize



During your activities, what were the conversations which stimulated engagement and had a positive impact on our understanding and awareness of risk?

Ask each participant to identify what they “valued most” from the conversation and have them recognize the individual for making this contribution.

People deserve to hear they are appreciated!